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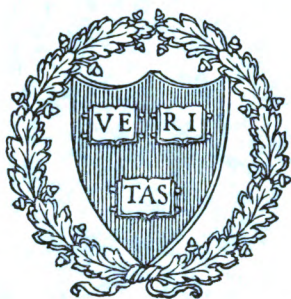
ANNUAL REPORT  
OF THE  
STREET LAYING - OUT  
DEPARTMENT



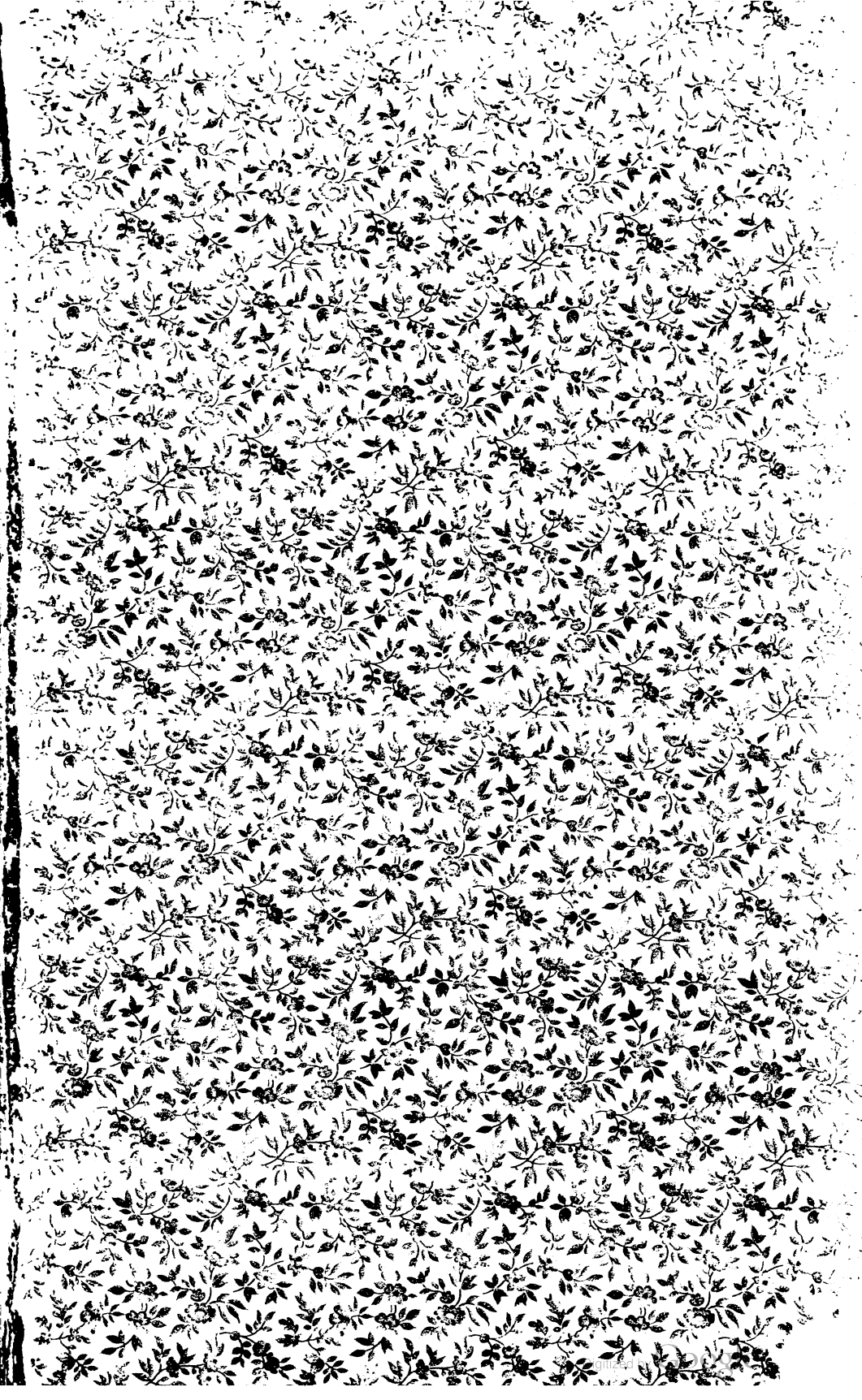
1901



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J. S. Pray

ANNUAL REPORT  
OF THE  
STREET LAYING-OUT  
DEPARTMENT

FOR THE  
YEAR 1901



BOSTON  
MUNICIPAL PRINTING OFFICE  
1902

Feb. 1, 1932

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Boston, February 1, 1902.

HON. PATRICK A. COLLINS,

*Mayor of the City of Boston :*

SIR, — The Board of Street Commissioners present the following as the report of the Street Laying-Out Department, including a statement relating to public lands in their care, for the year ending January 31, 1902.

Under the orders for laying out, widening and extending streets passed by the Board during the year, land to the amount of about 95,824 square feet was taken for street purposes. Streets having a total mileage of 4.78 were made public ways. Under authority of the acts of the Legislature of 1891, for the assessment upon abutting property of the cost of laying out and constructing streets, there has been assessed upon eleven streets a total of \$36,281.96, and for five public alleys a total of \$4,665.31. For benefits of sewerage works assessments to the amount of \$161,285.92 have been made. The total of benefits assessed for streets and sewerage works during the year is the sum \$202,233.19.

The Board has issued seventy-three orders of notice of intention to lay out, widen, relocate, extend and discontinue streets or parts of streets and public alleys, calling for public hearings. It has considered eighty-



seven petitions for street improvements. For the laying of sewers and surface drains there have been seventy-four petitions presented to the Board during the year. In the settlement of damages for takings of land, etc., for various changes in the city's streets 195 cases have been acted upon by the commissioners. Claims for damages for sewers and surface drains ordered have been settled to the number of twenty-seven. Fourteen petitions for release of assessments have been received and the releases made by the Board under authority of the acts empowering them to release parts of estates from assessments for sewers and sidewalks upon payment of the proportional parts due upon the parcels released.

Under the provisions of acts of the Legislature giving the Street Commissioners authority to take land for and order the construction of sewerage works, orders have been passed for the improvement and relocation of various natural streams or water courses, and surface drainage has been supplied for territories needing it, as follows : At *Dorchester* — Davenport brook, between Dorchester avenue and Fuller street, between Fuller street and Bailey street, and in Hillside terrace ; Freeport-street brook, between Hancock street and Trull street, and between Hancock street and High street ; Franklin park brook, between Blue Hill avenue and Talbot avenue ; Mattapan brook, from the New England railroad to Blue Hill avenue ; Oakland brook, across River street, in private land, and in Tokio street ; and Tenean creek, in Rosemont road, S.E. At *Brighton* — Franklin Valley brook, between Parsons street and Hobart street, and between Hobart street and Faneuil street. At *West Roxbury* — Canterbury branch of Stony brook, from previous taking to Morton street, and a conduit for said brook from Cornwall street to Green street.

Takings have been made for and sewers ordered built in the following private ways : At *East Boston* — in Farrington street, Marginal street, Orient avenue and Walley street ; at *Roxbury* — in Atkinson street, in Burnham street, in Iroquois street, in Wait and in Washington place ; at *Dorchester* — in Avondale place, in Ballou avenue, in Capen street, in Chipman street, in Harrison street, in Lombard street, in Ruggles place, in Tileston avenue, in Wesley avenue and in Wentworth street ; at *West Roxbury* — in Amherst street,

in Bellevue avenue, in Hemlock street, in Cass street, in Clement avenue, in Cross street, in Hillside avenue, in Colberg avenue, in Dudley avenue, in Farrington avenue, in Irving street, in Kenneth street, in Norfolk street, in Selwyn street, in Stratford street and in Weld street.

Sewers have been ordererd built in the following public streets:

*Arlington street*, from Public alley No. 422 to Marlborough street.

*Allston street*, Brighton, from Warren street to Summit avenue.

*Adams street*, Dorchester, from Milton street.

*Ashmont street*, Dorchester, from Peabody square southerly.

*Arlington avenue*, Charlestown, between Beecham street and Dorrence street.

*Bird street*, Dorchester, from Columbia road.

*Beacon street*, between Raleigh street and Bay State road.

*Bennington street*, East Boston, from Paris street to Putnam street.

*Bushnell street*, Dorchester, from between Beale and Rowena streets to Ashmont street.

*Centre street*, West Roxbury, from junction with May street four hundred feet easterly.

*Central street*, from Canal street relief sewer to India street.

*Clifton street*, Roxbury, from Rockford street to Shirley street.

*Corey street*, West Roxbury, from near Henshaw terrace to Montview street.

*Chandler street*, between Cazenove street and Berkeley street.

*Centre street*, West Roxbury, between Montclair avenue and Fletcher street.

*Central avenue*, Dorchester, from Neponset river to River street.

*D street*, South Boston, between West Second street and West Broadway.

*East First street*, South Boston, between L street and M street.

*Edinboro street*, between Beach street and Essex street.

*Frothingham street*, Charlestown, from Rutherford avenue to Main street.

*Fort avenue*, Roxbury, from west of Highland street to Highland Park street.

*Fremont street*, Dorchester, between, Blue Hill avenue and Norfolk street.

*Gold street*, South Boston, from B street to D street.

*George street*, Roxbury from Shirley street to Clarence street.

*Green street*, between Staniford street and Norman street.

*Glenway street*, Dorchester, between York street and Harlem street.

*Green street*, Charlestown, from Main street.

*Huntington avenue*, Roxbury, from Smith street to Calumet street.

*Hyde Park avenue*, West Roxbury, culvert.

*Hayden street*, Roxbury, between Fisher avenue and Lawn street.

*Humboldt avenue*, Roxbury, from north of Waumbek street to Harrishof street.

*Humboldt avenue*, Roxbury, between Ruthven street and Homestead street.

*Irving street*, between Phillips street and Myrtle street.

*India street*, from Central street to India square.

*Lansdowne street*, from Ipswich street.

*Linden street*, from Reedsdale street.

*La Grange street*, West Roxbury, culvert.

*Marginal street*, East Boston, from Ruth street.

*Massachusetts avenue*, Roxbury, from existing sewer south of Lansdowne street about one hundred and ninety feet southerly.

*Maxwell street*, Dorchester, between Capen street and Milton avenue.

*Milk street*, between Arch street and Washington street.

*Mill street*, Dorchester, between Houghton street and Preston street.

*Norfolk street*, Dorchester, between Capen street and Nelson street.

*North street*, from Richmond street to Sun Court street.

*Park street*, West Roxbury, from Clement avenue to Anawan avenue.

*Prescott street*, Charlestown, between Main street and Washington street.

*Providence street*, from Clarendon street.

*Providence street*, from Berkeley street.

*Preston street*, Dorchester, between Mill street and Harrison street.

*Portland street*, between Traverse street and Causeway street.

*Poplar street*, between Charles street and Auburn street.

*Rand street*, Roxbury, from Brookford street to Rand place.

*Ruskin street*, West Roxbury, from Corey street.

*Ruthven street*, Roxbury, between Walnut avenue and Humboldt avenue.

*Richmond street*, from North street.

*River street*, Dorchester, between Washington street and Idaho street.

*Smith street*, Roxbury, from Parker street to Huntington avenue.

*Savin Hill avenue*, Dorchester, from near Grampian way to railroad.

*Savin Hill avenue*, from Wesley avenue.

*Summit avenue*, Brighton, from Allston street to Corey road.

*Selden street*, Dochester, between Nelson street and Capen street.

*Southampton street*, Roxbury, between Burnham street and Atkinson street.

*Seventh street*, South Boston, between B street and D street.

*Savin Hill avenue*, Dorchester, between Grampian way and Rockdale street.

*Tremont street*, Roxbury, from Whitney street to St. Alphonsus street.

*Tudor street*, South Boston, between C street and D street.

*Traverse street*, between Canal street and Portland street.

*Vermont street*, West Roxbury, between Alder street and Libbey street.

*Whitney street*, Roxbury, from Smith street to Tremont street.

*Walnut avenue*, Roxbury, between Cobden street and Ruthven street.

*Weld street*, West Roxbury, culvert, near La Grange street.

*Warren street*, Brighton, from Allston street to the Brookline line.

*Wheatland avenue*, Dorchester, between Spencer street and Whitfield street.

*Whitfield street*, Dorchester, between Wheatland avenue and West Tremlett street.

*Millet street*, Dorchester, from Wheatland avenue.

*Prospect street*, from Causeway street to South Margin street.

*South Margin street*, from Prospect street to and across Staniford street.

*Wheatland avenue*, Dorchester, from Millet street.

The following is a list of new streets, with their lengths, laid out as public streets during the year :

#### BOSTON PROPER.

STREET.	FEET.
Storer, from Atlantic avenue to India street .	151.00
Medfield, from Audubon road to St. Mary's street,	414.69
Newland, from West Brookline street to West	
Newton street . . . . .	305.33
Milk street, from India street to Atlantic avenue,	598.90
Carleton, from Yarmouth street to West Newton	
street . . . . .	864.04
Roseland, from Beacon street to Medfield street .	260.00
	<hr/>
	<u>2,593.96</u>

#### EAST BOSTON.

Northwood, from Leyden street to Gladstone street,	175.49
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#### SOUTH BOSTON.

Bowen, from E street to F street . . . .	497.95
E, from Summer street to Fargo street . .	273.12
	<hr/>
	<u>771.07</u>

#### ROXBURY.

Fisher avenue, from Hayden street to Parker Hill	
avenue . . . . .	1,200.00
Winthrop, from Dennis street to Brook avenue .	319.20
Darling, from Calumet street to Hillside street .	418.21
	<hr/>
	<u>1,937.41</u>

## DORCHESTER.

STREET.	FEET.
West Tremlett, from Washington street to Whitfield street . . . . .	875.80
Fairfax, from Carruth street to Beaumont street . . . . .	618.92
Torrey, from Washington street to Wentworth street . . . . .	1,037.95
Hinckley, from Pleasant street to Bakersfield street . . . . .	382.50
Morrill, from Pleasant street to Bakersfield street, . . . . .	382.50
Blanche, from Green Hill street to Preston street, . . . . .	378.00
Wayland, from Howard avenue to Dacia street . . . . .	614.53
Oakwood, from Norfolk street to Torrey street . . . . .	629.70
Moultrie, from Allston street to Washington street, . . . . .	1,297.93
Capen, from Evans street to Fairmount street . . . . .	1,057.95
Ainsley, from Rosemont street . . . . .	221.54
Rosemont, from Adams street to Gustine street . . . . .	369.05
Vinson, from Park street to Geneva avenue . . . . .	758.09
Windermere road, from Stoughton street to Cushing avenue . . . . .	776.45
Dakota, from Washington street to Greenbrier street . . . . .	422.59
Florida, from Templeton street to Ashmont street, . . . . .	640.74
	<u>10,464.24</u>

## CHARLESTOWN.

Mead, from Russell street to Bunker Hill street . . . . .	277.33
Carter, from Cambridge street to Roland street . . . . .	158.24
Roland, from Boston and Maine railroad to the Somerville line . . . . .	992.04
	<u>1,427.61</u>

## BRIGHTON.

Snow, from Washington street to Union street, . . . . .	620.73
Oak Square avenue, from Washington street to Faneuil street . . . . .	926.28
Brackett, from Washington street to Faneuil street . . . . .	560.23
	<u>2,107.24</u>

## WEST ROXBURY.

Tower, from Hyde Park avenue to Forest Hills Cemetery . . . . .	1,106.37
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## ROXBURY AND DORCHESTER.

Fayston, from Blue Hill avenue to Mascoma street . . . . .	1,262.29
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## ROXBURY AND WEST ROXBURY.

STREET.	FEET.
South Huntington avenue, from Heath street to Centre street . . . . .	3,372.00

## RECAPITULATION.

DISTRICT.	FEET.
Boston Proper . . . . .	2,593.96
East Boston . . . . .	175.49
South Boston . . . . .	771.07
Roxbury . . . . .	1,937.41
Dorchester . . . . .	10,464.24
Charlestown . . . . .	1,427.61
Brighton . . . . .	2,107.24
West Roxbury . . . . .	1,106.37
Roxbury and Dorchester . . . . .	1,262.29
Roxbury and West Roxbury . . . . .	3,372.00

25,217.66 = 4,776 miles.

The following is a list of the passageways, with their lengths, laid out as public alleys during the year:

	FEET.
Public alley No. 502, District No. 6, between Rutland and Concord squares, parallel therewith, and between Columbus avenue and Tremont street . . . . .	470.62
Public alley No. 503, District No. 6, leading from Rutland square to Concord square, next east of Columbus avenue . . . . .	194.66
Public alley No. 706, District No. 8, from Newland street, between West Concord and Worcester streets . . . . .	560.00
	<u>1,225.28</u>

Following are the widenings, relocations, discontinuances, etc., made upon public streets during the year:

## BOSTON PROPER.

STREET.	Square feet of land taken.
Haymarket square, relocated.	

## ROXBURY.

Ritchie street, relocated from Columbus avenue to Marcella street . . . . .	<u>596</u>
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## DORCHESTER.

STREET.	Square feet of land taken.
Hamilton street, relocated from Columbia road to Mt. Everett street . . . . .	..
Bowdoin street and Westville street, widened at their junction . . . . .	643
Grampian way, relocated from Savin Hill ave- nue, near Denny street . . . . .	152
Savin Hill avenue, relocated from near Denny street . . . . .	594
Washington street, relocated from Talbot ave- nue to Euclid street . . . . .	5,022
Milton avenue, relocated from Lauriat avenue to Norfolk street . . . . .	..
	<u>6,411</u>

## CHARLESTOWN.

Rutherford avenue, Devens and Bow streets, relocated from Chapman street to City square,	45,675
Austin street, relocated from Washington street to Lawrence street . . . . .	..
Adams street, relocated from Common street to Chestnut street . . . . .	977
	<u>46,652</u>

## WEST ROXBURY.

Walter street, relocated from Centre street to South street . . . . .	39,567
Louder's lane, relocated at Centre street . . .	1,182
Centre street, widened at May street. . . .	1,416
	<u>42,165</u>

## RECAPITULATION.

Boston proper . . . . .	..
Roxbury . . . . .	596
Dorchester . . . . .	6,411
Charlestown . . . . .	46,652
West Roxbury . . . . .	42,165
	<u>95,824</u>

Brooks street at Brighton, from Holton street to North Beacon street; and Franklin street at Brighton, between Cambridge street, and Lincoln street, and under the tracks of the Boston and Albany Railroad, were ordered constructed during the year.

## CHANGES IN STREET NAMES.

An order passed by the Board February 8, 1901, naming the public way extending in continuation of Dorchester avenue, from Summer street to Congress street, Dorchester avenue, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 8, 1901, naming the public way at West Roxbury, leading from the southwesterly side of South street, opposite Conway street, to South Fairview street, South Conway street, was confirmed by the Board of Aldermen February 18, 1901, and took effect, under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 18, 1901, naming the public way at South Boston, leading from the southwesterly side of Summer street to A street, Melcher street, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 11, 1901, changing the name of Charlestown street, leading in continuation of Washington street from Haymarket square to Causeway street to Washington street north, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order was passed by the Board February 11, 1901, changing the name of that part of Mount Vernon street at West Roxbury, extending from the angle in said street at Vermont street, in continuation of said Vermont street to Baker street to Vermont street, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 11, 1901, changing the name of Creek street at Dorchester, leading from Dorchester avenue to Pleasant street, to Greenmount street, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 11, 1901, changing the name of Hazel street at West Roxbury, leading in continuation of Robinwood avenue from

Enfield street to Rockview street to Robinwood avenue, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the law governing the matter March 1, 1901.

An order passed by the Board February 11, 1901, changing the name of Rockland street at Brighton, leading from Washington street to Academy Hill road, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 11, 1901, changing the name of Draper court at Dorchester, leading from Eaton square to Hendry street, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 11, 1901, changing the name of Coolidge street at Brighton, leading from North Harvard street to Mansfield street to Coolidge road, was confirmed by the Board of Aldermen February 18, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

An order passed by the Board February 13, 1901, changing the name of Swett street, leading from Albany street at Roxbury, to Dorchester Avenue at Andrew square in South Boston, to Southampton street, was confirmed by the Board of Aldermen February 25, 1901, and took effect under the provisions of law governing the matter March 1, 1901.

#### AUTHORITY GIVEN TO OPEN NEW STREETS.

Acting under the provisions of chapter 323 of the Acts of the Legislature of 1891, and acts in amendment thereof, the Board of Street Commissioners have during the past year given permission to land owners to open the following private ways :

##### *City Proper.*

*St. Botolph street*, from Irvington street to land of the Boston & Albany railroad.

##### *Roxbury.*

*Chisholm park*, eastwardly from Warren street.

*Lambert street*, from Lambert avenue to Bartlett street.

*Grove park*, northeastwardly from Grove street.

*Harleston street*, from Parker Hill avenue to Calumet street.

*Quincy terrace*, southwestwardly from Quincy street.

*Dorchester.*

*Chase street*, from East Cottage street to Willis street.

*Penhallow street*, from Melville street to Mather street.

*Lafield street*, from Centre street to Dix street.

*Leslie street*, from Centre street to Dix street.

*Sudan street*, eastwardly from Dorchester avenue.

*West Roxbury.*

*Heldun street* northerly from Gardner street.

*Dunwel street*, from Baker street to Heldun street.

*Asticou road*, from Walk Hill street to South street.

*Chocorua street*, southwesterly from Walk Hill street.

*Brighton*

*Marshall terrace*, from Holmes avenue to the Brookline boundary line.

*Fiske terrace*, from Holmes avenue to the Brookline boundary line.

*Hobson street*, from Faneuil street to Hobart street.

*Feneno terrace*, from Holmes avenue to the Brookline boundary line.

*Empire street*, from North Harvard street to Cambridge street.

ASSESSMENTS FOR LAYING-OUT AND CONSTRUCTION OF  
STREETS.

Assessments have been levied upon the estates abutting upon the following streets, under the provisions of chapter 323 of the Acts of the Legislature of 1891, and acts in amendment or addition thereto:

STREET.	Date of Order.	Cost.	Amount Assessed.	Date of Assessment.
Chiswick road.....	Nov. 13, 1895 Aug. 5, 1897	\$12,313 23	\$12,313 23	Feb. 21, 1901
Spencer street.....	July, 13, 1898	2,316 55	1,853 24	Jan. 15, 1902
Belmore terrace.....	Sept. 23, 1897	4,564 83	1,401 89	Jan. 15, 1902
Montague street.....	June 12, 1899	3,006 84	2,104 79	Jan. 15, 1902
Fowler street.....	Sept. 27, 1899	2,649 52	2,119 62	Jan. 15, 1902
Province court.....	Oct. 13, 1899	1,176 55	1,140 11	Jan. 23, 1902
Dresden street.....	Aug. 4, 1899	2,085 50	1,881 95	Jan. 23, 1902
Aberdeen street.....	Nov. 15, 1899	4,761 78	4,285 60	Jan. 23, 1902
Seaborn street.....	Oct. 17, 1899	3,023 89	2,243 52	Jan. 23, 1902
Dunford street.....	Nov. 22, 1899	1,423 34	1,043 19	Jan. 23, 1902
Fowler street.....	Sept. 7, 1898	6,983 90	5,944 82	Jan. 30, 1902
		\$44,265 43	\$36,281 96	

### ASSESSMENTS FOR LAYING-OUT AND CONSTRUCTION OF PUBLIC ALLEYS.

Assessments have been levied upon the estates abutting upon the following public alleys, under the provisions of chapter 323 of the Acts of the Legislature of 1891, and chapter 298 of the Acts of the Legislature of 1898, and acts in amendment of or addition to said acts.

STREET.	Date of Order.	Cost.	Amount Assessed.	Date of Assessment.
Public Alley No. 703....	July 25, 1899	\$852 76	\$852 76	Jan. 15, 1902
Public Alley No. 702....	July 25, 1899	1,074 86	672 01	Jan. 23, 1902
Public Alley No. 432....	Nov. 10, 1898	1,030 50	1,030 50	Jan. 30, 1902
Public Alley No. 102....	July 13, 1899	1,066 49	1,066 49	Jan. 30, 1902
Public Alley No. 439....	Oct. 13, 1899	1,043 55	1,043 55	Jan. 30, 1902
		\$5,068 16	\$4,665 31	



The following payments were made for land damages and other claims on account of laying out, widening, relocating and extending streets :

Laying out and construction of highways . . . . .	\$65,321 67
Brighton . . . . .	3,749 54
Dorchester . . . . .	56,297 04
East Boston . . . . .	63,318 03
Roxbury and West Roxbury . . . . .	10,003 00
Blue Hill and other avenues . . . . .	4,989 36
Charlestown street . . . . .	346,469 71
Rutherford avenue . . . . .	78,912 75
	<hr/>
	<b>\$629,061 10</b>
	<hr/>

Payments were made for land takings for surface drainage and sewers, under the provisions of chapter 426 of the Acts of the Legislature of 1897, aggregating \$16,686.64.

#### EXPENDITURES.

##### *Salaries and other Expenses.*

Salaries . . . . .	\$28,141 88
Advertising . . . . .	1,341 94
Printing . . . . .	289 52
Stationery . . . . .	351 98
Carriage-hire . . . . .	514 00
Telephone and messenger service . . . . .	304 12
Books and maps . . . . .	203 00
Furniture, fittings, and repairs for office . . . . .	206 68
Incidentals . . . . .	576 86
Estimates . . . . .	2,400 00

##### *Public Lands.*

Care tide-gates, King's mill-pond land, one year . . . . .	\$100 00	
Rebuilding culvert, Tenean creek . . . . .	1,061 05	
	<hr/>	\$1,161 05
Care of Thomas-street school estate, Snow shovelling, Thornton-street school estate . . . . .		15 00
Taxes, Town of Hull . . . . .	\$49 41	
Taxes, City of Everett . . . . .	16 60	
Sewer assessment, City of Everett . . . . .	76 01	
	<hr/>	142 02
<i>Carried forward</i> . . . . .	\$1,328 07	\$34,329 98

<i>Brought forward</i> . . . . .	\$1,328 07	\$34,329 98
Sale of Ingraham school estate, Sheafe street . . . . .	174 08	
Repairs Elm street, Charlestown . . . . .	47 00	
		1,549 15
		<u>\$35,879 13</u>

The expenditures of the Surveying Division of the Street Laying-Out Department have been as follows :

Salaries . . . . .	\$59,529 81
Instruments and repairs . . . . .	74 70
Surveyors' supplies . . . . .	1,440 87
Stationery and printing stock . . . . .	430 46
Printing . . . . .	60 15
Books and maps . . . . .	316 15
Travelling expenses . . . . .	106 00
Car tickets . . . . .	1,126 86
Telephone . . . . .	138 50
Office fittings . . . . .	337 84
Incidentals . . . . .	97 32
Advertising . . . . .	267 96
	<u>\$63,926 62</u>

### PUBLIC LANDS.

The following is a list of the real estate belonging to the city in charge of the Board of Street Commissioners:

#### *City Proper.*

DESCRIPTION.	SQUARE FEET.
Albany street, land opposite East Brookline street, Rented for \$100 a year.	1,074
Harrison avenue, land between Brookline and New- ton streets . . . . .	4,740

#### *South Boston.*

Gold street, land on southwest side, between A street and the New England Railroad . . . . .	1,100
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#### *Charlestown.*

Rutherford avenue, land on northeast side . . . . .	29,445
Small part of rented at \$12 a year.	
Remainder occupied by city departments.	

DESCRIPTION.	SQUARE FEET.
Elm street, land and building on southeast side, corner of Lincoln place . . . . .	3,397

*Roxbury.*

Ritchie street, land opposite the Marcella-street Home . . . . .	22,716
Thornton street, Thornton-street Primary School estate . . . . .	6,644

*Dorchester.*

Gibson street, land on north side . . . . .	74,600
42,000 square feet rented to Sewer Division of Street Department at \$400 a year.	
32,000 square feet rented to Boston Water Board at \$300 a year.	
Baker's court, old lock-up estate . . . . .	1,580
King's mill pond, so called, being that part of the bed of Tenean creek, or Smelt brook, between Mill, Exchange, Park and Adams streets and Neponset avenue, about . . . . .	470,386
Southern avenue, land on south side, between Ber- nard street and Elmhurst street . . . . .	4,335

*West Roxbury.*

Moreland street, land . . . . .	30,421
Thomas street, Thomas-street Primary School estate,	10,954

*Brighton.*

Western avenue, marsh, northeast of Western avenue and northwest of North Harvard street	10,890
Parkman street, land on southwest side of . . . . .	5,000

*Islands, etc.*

Great Brewster Island, Boston Harbor, about 16 acres.	
Apple Island, Boston Harbor about $9\frac{1}{2}$ acres.	
Summer and Pleasant streets, in town of Everett, old gravel pits . . . . .	20,700

Acts of the Legislature provide that the Board of  
Street Commissioners, at the request of the School-

house Commission, shall take, by purchase or otherwise, such lands for school purposes as the Schoolhouse Commission, with the approval of the Mayor, shall designate, etc., and that the damage sustained by any person under such taking shall be determined by agreement between said Board and said persons, etc. Under these acts the Board have taken during the year the following lands :

LOCATION.	School.	From whom taken.	Date of taking.
Heath street.....	New school.	Frederick Bleiler .....	January 29, 1902
Westville street.	New school.	Reuben Green.....	January 29, 1902
Pembroke street.	Girls' High.	The German Lutheran Society.....	January 29, 1902
School street ....	New school.	Joseph W. Adams.....	January 29, 1902
Columbia road..	New school.	Heirs or Devisees of Richard Clapp.	January 29, 1902

During the financial year the following payments have been made for lands taken by the Board of Street Commissioners for school purposes :

Girls' High school :

German Lutheran Society . . . . .	\$8,327 64
Addition to taking on Norfolk street :	
Catherine Elms . . . . .	3,500 00

\$11,827 64

#### SURVEYING DIVISION.

The work of this division for the year is shown in the following :

##### PLAN 5.

The work done on this plan consisted of the preparation and filing of nine sections, the bulk of the field work, besides all the draughting having been done within this period.

On X 39, the territory covered is practically bounded by Washington street, Tremlett street, Allston street and Kenwood street. Nothing was done in this locality in the way of introducing new streets for future development, the system of streets already existing being an ample provision for any future contingency. On X 40, 41, 60, 61 and 80, the territory is bounded approxi-

mately by Melville avenue, Dorchester avenue, Street No. 891, and thence by an imaginary line running northerly and in a manner approximately parallel with and from 1,000 to 1,500 feet from Dorchester avenue.

The treatment here consisted of a definition of the old street lines and grades, and the addition of a few new streets for the large tracts where necessary. A 40-foot street (No. 1947) was introduced, to leave Centre street from the northerly side near its junction with Remington street, embracing a 15-foot passageway known as Centre place, and extending beyond this to Mather street; from this street (No. 1947), at a point about midway between Centre street and Mather street, departs a 40-foot street (No. 1946), running along the rear line of the lots fronting on Mather street, and in the rear of the Industrial School and the Old Dorchester High School, to Dorchester avenue.

Midway between Nixon street and Clement park and from the opposite side of Centre street, the street known as Samoset street is shown in an official filing, from Centre street to Welles avenue, with an extension to Barnes street; a 30-foot street leaving Dorchester avenue nearly opposite Edwin street, and running northwesterly to the Shawmut Branch Railroad, which has been embodied in the street system; parallel with Barnes street and just south of it are located Northam park and Simpson's park, extending from Dorchester avenue to the Shawmut Branch Railroad.

From Samoset street, at a distance of about 225 feet from Centre street, is projected a 40-foot street running parallel with Centre street to Dorchester avenue; before reaching the latter, however, a bend is made in the street so that it can be allowed to enter the avenue at nearly right angles. From Samoset street is projected a street which runs easterly, parallel with and about 200 feet from the last described 40-foot street, to Dorchester avenue.

In X 60 and X 61, the work consisted in simply adjusting and defining the old street lines, establishing grades where necessary, etc. A readjustment was made of the lines of the old street existing in the extension of Fuller street from Dorchester avenue to the railroad. A curve was introduced into the old Fuller street, about half way to the railroad, which permitted an entrance from Dorchester avenue to be made at right angles to same, and provided for the discontinu-

ance from this point of the straight portion to Dorchester avenue.

This street, with a 25-foot way extending southerly from the point at which the curve departs, is known as Brunswick street. The 25-foot portion has been provided with a widening to 30 feet, the widening being made about equally from either side.

Section X 80 shows Street No. 893 (a portion of which had been previously filed on Section X 79) extended to Dorchester avenue, opposite Beale street.

The continuation to Dorchester avenue, of two other 40-foot streets, No. 891 and No. 892, has been projected. Portions of these streets had previously been filed from Washington street, thus making with the filing of this section the work complete on these streets from Washington street to Dorchester avenue.

Becket street, departing from Van Winkle street, near the junction of the latter with Dorchester avenue, and running southeasterly to Codman street, is embraced in the system filed, as is Magdala street, also running between the same two streets and at a distance of about 170 feet northeasterly from Becket street.

From Magdala street, about 250 feet and in a parallel manner with Van Winkle street, a 40-foot street is projected northeasterly, terminating at the Shawmut Branch Railroad; only a small initial portion of this street is filed, the major portion of it being left for future action.

Sections X 75, X 76, and X 77 cover a territory lying south of Norfolk street and reaching easterly along either side of Evans street for a distance of from 500 to 1,000 feet. The improvements filed vary but slightly from the system which had been already introduced and now largely developed and, in portions, quite compactly built upon. A sufficient number of additional streets are provided for a complete future development.

In X 75, the additional streets suggested consist of Hunter street, which, leaving Norfolk street from its southeasterly side, nearly opposite Willowood street, extends southerly at nearly right angles, thence turning and running parallel with the New England Railroad to Morton street.

A new street of a width of 40-feet is filed from Evans street to Norfolk street; and is distant about 200 or 250 feet from Nelson street; from this point depart two 30-foot streets, No. 1136 and No. 1137, being about



160 feet apart and entering Capen street on either side of Dyer street. From Dyer street, at the bend in same, is projected northwesterly a 40-foot way, through the Ufford estate, known as Ufford street, to connect with Norfolk street.

Norfolk street, as shown in this locality and as it is throughout, is provided with a widening to 60 feet.

During the year two hearings were held under authority of chapter 210 of the Acts of the Legislature of 1898, being on the same day, viz., February 21, 1901.

The first was on territory shown on Sections X 24 and X 37, and was in relation to a change of grade of Kilton street from Park street to Harvard street.

The second was on territory shown on W 50 and was in relation to the elimination of Street No. 377, now shown as running from Samoset street to Dorchester avenue, nearly opposite King street.

The plans showing these changes have not yet been filed.

The following is a statement of the work done during the year.

Plan from actual survey of two sections, X 39 and X 40; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, X 61 and X 80; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, X 41 and X 60; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, X 66 and X 75; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, X 65 and X 76; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, X 64 and X 77; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Nine sectional plans of Sections X 39, 40, 41, 60, 61, 75, 76, 77, 80; size of each, 4 feet by 4 feet; scale,  $\frac{1}{250}$ . Complete with grades. These plans were approved by the Mayor, and filed January 30, 1902, with the City Engineer.

In this territory of about 206.64 acres covered by the above sectional plans there are comprised :

Public streets :

Number of streets	.	.	.	.	45
Length	.	.	.	.	31,210 ft. = 5.91 miles
Area	.	.	.	.	1,383,300 sq. ft. = 31.75 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	.	.	.	.	38
Length	.	.	.	14,940 ft.	= 2.82 miles
Area	.	.	.	600,400 sq. ft.	= 13.78 acres
Totals:					
Number of streets	.	.	.	.	82
Length	.	.	.	44,970 ft.	= 8.57
Area	.	.	.	1,983,700 sq. ft.	= 45.53
Percentage of area of above territory absorbed by all streets, old and new, 22.03%.					

Plans and profiles showing grades of the following streets :

*Barnes street*, from Dorchester avenue to Shawmut Branch Railroad.

*Northam park*, from Dorchester avenue to Shawmut Branch Railroad.

*Wrentham park*, from Dorchester avenue to Shawmut Branch Railroad.

*Welles avenue*, from Dorchester avenue to Shawmut Branch Railroad.

*Fuller street*, from Brunswick street to Shawmut Branch Railroad.

*Brunswick street*, from Dorchester avenue to Beale street.

*Becket street*, from Van Winkle street to Codman street.

*Magdala street*, from Van Winkle street to Codman street.

*Brent street*, from Wainwright street to Melbourne street.

*Herbert street*, from West Tremlett street to Park street.

*Mountain avenue*, from Dumas street to Ballou avenue.

*Mascot street*, from Dumas street to Ballou avenue.

*Carnac street*, from Magdala street to Shawmut Branch Railroad.

*Dyer street*, from Capen street to Ufford street.

*Ufford street*, from Norfolk street to Evans street.

*Santuit street*, from Welles avenue to Rosemont street.

*Street No. 374*, from Welles avenue to Barnes street.

*Street No. 1628*, from Norfolk street to Evans street.

*Street No. 1636*, from Capen street to Street No. 1628.

*Street No. 1637*, from Capen street to Street No. 1628.

*Street No. 1946*, from Dorchester avenue to Street No. 1947.

*Street No. 1947*, from Centre street to Mather street.

Grade plan of Sections X 39, X 40, X 41, X 60, X 61, X 75, X 76, X 77, X 80 ; scale  $\frac{1}{1000}$ . (Completed.)

In connection with the sectional and other plans enumerated above, the following work has been done :

Number of titles looked up . . . . .	1,434
Number of conveyances copied . . . . .	1,238
Number of plans copied from Suffolk and Norfolk Registries and elsewhere . . . . .	183

#### PLAN 8.

The force engaged upon the work on this plan (Brighton) was also employed at times throughout the year upon the various other plans, establishing initial points for the work in these territories and connecting them with the triangulation system of the city for co-ordinate purposes.

The completed work is consequently somewhat limited, being confined to four sections, viz.: O 13, O 14, O 27 and O 34. These sections embrace a part of a territory known as Bigelow Hill, from Faneuil street to its summit and extending easterly across Brook street to the portion of Faneuil street extending between Oakland street and Hobart street ; thence southerly across Faneuil street and Washington street and partially up the northerly slope of Nonantum Hill along Lake street to and beyond Rogers Park. The improvements for development filed consist of a forty-foot street (No. 1728), departing from Hardwick street distant about 175 feet from Bigelow street ; thence running around the rear line of the deep lots fronting on Hardwick street, Bigelow street and Dunboy street and entering Hardwick street again at a point about 200 feet east of where it departed from that street. This street will provide for a proper development for the very deep lots above mentioned, fronting on these streets, the rear portion of which at the present time cannot be utilized.

A second forty-foot street (No. 1725) is projected from Bigelow street, about 175 feet from and parallel with

Hardwick street, and which when near Dunboy street is made to bend in order that it may enter Dunboy street at its junction with Webster street. From Webster street, at a point nearly opposite the entrance of the last-named street, is projected a forty-foot street, which, after following the incline of the hill for a short distance, turns and runs westerly, following the contours of the hill to Bigelow street, thus providing as feasible a way as possible, without heavy gradients, for the development of this rather steep hillside lying between Faneuil street and Webster street. From Washington street, about 150 feet east of Dunboy street and nearly opposite Montferrn avenue, was introduced a forty-foot street (No. 1734), which extends as far as the grade will permit, northerly for about 300 feet; thence turning at right angles and running easterly, connecting with Brooks street.

O 14 shows a 40-foot street (known as Hobson street) running from Faneuil street at a distance of about 180 or 190 feet from Brooks street, and continuing practically parallel with the latter to Hobart street.

From Hobson street departs a 40-foot street, 200 feet from and parallel with Hobart street, which leads to Faneuil street; this street is known as Donnybrook road. Two hundred feet from and parallel with Donnybrook road is shown Newcastle road, and 200 feet from and parallel with Newcastle road is located Bothwell road, both of these streets extending from Hobson street to Faneuil street.

The result of the studies on O 27 and O 34 is shown in the projection of Arlington street at a width of 60 feet from its present ending to Faneuil street; and the filing of the initial plan showing this feature from Faneuil street for a short distance easterly to the boundary of the section, and eventually, by subsequent filings, continued over Arlington street and Sparhawk street, widened to 60 feet (10 feet on either side) to Washington street; thence through Warren street to the Brookline boundary line, and within the limits of that town, through Winchester street to Beacon street, thus providing a fine continuous thoroughfare of moderate width sufficient for carriage driving, and connecting Longwood and the easterly part of Brookline with the western part of Brighton, uniting with Faneuil street at the foot of Bigelow Hill; thence through Faneuil street, which it is proposed to widen

to 70 feet, to Oak square, and by the new thoroughfare recently devised and filed, to connect with Hunnewell avenue in Newton, forming an independent and direct route to that city, which, by avoiding streets having heavy gradients and other thoroughfares, many of which are even at the present time burdened with car tracks and heavy traffic, makes the thoroughfare one most desirable, particularly for pleasure travel.

The large tract of land belonging to the Taylor estate, lying between Washington street, Fairbanks street, Faneuil street and Oakland street, is developed with equal satisfaction to the owners and to the city, by the introduction of two 40-foot parallel streets, No. 1906 and No. 1985, leaving Faneuil street at points 200 feet apart and running southerly to connect with Washington street; the more easterly of these two streets entering Washington street at a point nearly opposite Lake street. One hundred and eighty feet easterly from this to the latter street is another street, No. 1919, of the same width, which, leaving Faneuil street, continues parallel with those above-described streets and connects with Oakland street.

From Fairbanks street, midway between Faneuil street and Washington street, is introduced a 40-foot cross street (No. 2015), running almost due east, intersecting all the above-mentioned streets at about right angles.

An extension is shown for Fairbanks street, south of Washington street in the same general direction for a distance of about 100 feet, when it turns at nearly right angles, and following along the contours of the north side of Nonantum Hill, enters Lake street at a point about 300 feet south of Washington street. Some 200 feet farther up the hill, in O 34, is shown Street No. 1460, a portion of which has previously been filed, but which in this section is extended to Lake street, while nearly opposite is located a 40-foot street, No. 1180, which extends near the northwestern boundary of Rogers Park, from Lake street to Foster street, while also from Lake street along the northeasterly boundary is located a street, No. 1913, of equal width, which connects with Foster street.

Improvements in which the general public of the entire ward — in fact, entire city, perhaps — is concerned, are Faneuil street, shown as 70 feet in width; Washington street, also at 70 feet; Arlington street, at 60

feet ; Lake street, at 90 feet, and a widening is provided for Oakland street, making it 40 feet.

Two hearings were given during the year under authority of chapter 210 of the Acts of the Legislature of 1898, on the following dates : July 12, 1901, and October 4, 1901.

The hearing given on July 12 was held on territory shown on Sections N 11, N 30, O 20 and O 21, and was in relation to the elimination of the lines of widening of Webster street and Webster avenue.

The plans showing these changes have not yet been filed.

The hearing held on October 4 was on territory shown on Sections N 11, N 30 and O 30, and was in relation to the extension of Allston square to Griggs place (Street No. 402), the elimination of that part of Street No. 807, from Hano street to Cambridge street, a relocation of Street No. 812, Street No. 813 and Street No. 818, and the introduction of a 40-foot street running parallel with Street No. 818 to Cambridge street.

The plans showing these changes have not yet been filed.

The following is a statement of the work done during the year :

Plan from actual survey of two sections, O 33 and O 34 ; size, 9 feet by 5 feet ; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, O 27 and O 28 ; size, 9 feet by 5 feet ; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, N 32 ; size, 5 feet by 5 feet ; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, O 24 ; size, 5 feet by 5 feet ; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of two sections, O 6 and O 7 ; size, 9 feet by 5 feet ; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of two sections, O 25 and O 26 ; size, 9 feet by 5 feet ; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of two sections, O 15 and O 16 ; size, 9 feet by 5 feet ; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of one section, O 8 ; size, 5 feet by 5 feet ; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of two sections, O 4 and O 5 ; size, 9 feet by 5 feet ; scale,  $\frac{1}{250}$ . (In progress.)

Four sectional plans of Sections O 13, O 14, O 27 and O 34 ; size of each, 4 feet by 4 feet ; scale,  $\frac{1}{250}$ . (Com-



plete with grades.) These plans were approved by the Mayor, and filed January 30, 1902, with the City Engineer.

In this territory of about 91.84 acres covered by the above sectional plans there are comprised :

Public streets :

Number of streets . . . . .	10
Length . . . . .	8,010 ft. = 1.52 miles
Area . . . . .	367,510 sq. ft. = 8.44 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets . . . . .	23
Length . . . . .	13,280 ft. = 2.14 miles
Area . . . . .	500,720 sq. ft. = 11.49 acres

Totals :

Number of streets . . . . .	30
Length . . . . .	19,050 ft. = 3.61 miles
Area . . . . .	810,310 sq. ft. = 19.93 acres

Percentage of area of above territory absorbed by all streets, old and new, 21.70%.

Plans and profiles completed, showing grades of the following streets :

*Oakland street*, from Faneuil street to Washington street.

*Lake street*, from Taylor street to Washington street.

*Street No. 1460*, from Street No. 1454 to Lake street.

*Fairbanks street*, extension, from Washington street to Lake street.

*Street No. 1906*, from Faneuil street to Washington street.

*Street No. 1985*, from Faneuil street to Washington street.

*Street No. 1919*, from Oakland street to Washington street.

*Street No. 2015*, from Fairbanks street to Street No. 1919.

*Street No. 1723*, from Bigelow street to Webster street.

*Street No. 1726*, from Bigelow street to Dunboy street.  
*Webster street*, from Bigelow street to Dunboy street.  
*Street No. 1734*, from Faneuil street to Brooks street.  
*Hobson street*, from Faneuil street to Hobart street.  
*Raneleigh road*, from Hobart street to Holton street.  
*Donnybrook road*, from Hobson street to Faneuil street.  
*Newcastle road*, from Hobson street to Faneuil street.  
*Bothwell road*, from Hobson street to Faneuil street.  
*Street No. 1934*, from Faneuil street to Street No. 1938.  
*Street No. 180*, from Lake street to Street No. 1177.  
*Street No. 1913*, from Lake street to Foster street.  
*Street No. 1907*, from Oakland street to Street No. 1938.

Grades revised or fixed on the following streets :

*Faneuil street*, from Oak square to Oakland street.  
*Hobart street*, from Brooks street to Faneuil street.  
*Hardwick street*, from Bigelow street to Dunboy street.

Grade plans of Sections O 13, O 14, O 27 and O 34 ;  
scale,  $\frac{1}{1000}$ . (Completed.)

In connection with the sectional and other plans  
enumerated above, the following work has been done :

Number of titles looked up . . . . .	264
Number of conveyances copied . . . . .	80
Number of plans copied from Suffolk and Norfolk Registries and elsewhere . . . . .	17

#### PLAN 10.

The completed work for the year on this plan consists of the preparation and filing of seven sections lying either partially or entirely within its limits.

The territory treated lies upon the most westerly limits of the plan, in fact, of the city itself, upon the borders of the Charles river, an approximate boundary for which is as follows : Spring street, from the Charles river to the West Roxbury Branch Railroad, thence along the railroad to the Charles river, and thence by the Charles river to Spring street.

This territory includes a large tract of land consisting of about 43 acres and occupied by one of the institutions of the city, viz., the Parental School. From this tract is eliminated any treatment for a street system

with the exception of an 80-foot boulevard along the river front, which in its course necessarily crosses the grounds of the school.

The Metropolitan Park Commissioners have been considering the taking of land along the banks of the Charles river, to be used as a public reservation and for the preservation of the river banks. The takings for this have not been made, nor is the work towards that end actually completed, but it is in harmony with what has been shown on these filings, which are the result of consultations with the engineers of that department.

Sections Cc 9 and Cc 11 are divided diagonally from northeast to southwest by Spring street, which being the boundary between Plan 10 and Plan 11 places practically one-half of each section on either plan, while Cc 10 is disposed of almost entirely in Plan 11, but a small portion of it extending easterly from Spring street, the boundary line.

The portion of Cc 9, lying within this plan, needed very little developing in the way of additional streets; in fact it is confined to the single suggestion of a 40-foot street (No. 1970), which, when future needs demand its construction, will connect Cypress street with Moreland street at points in each about midway between Spring street and Prospect street; this street leaves both Cypress street and Moreland street at right angles, running towards the centre of the block where the connection is made by a curve. Cc 11 lies well upon the river bank, and affords little opportunity for treatment, the public lands, and those proposed for such, occupying such a large proportion of its area. Across these, however, has been projected an 80-foot boulevard, designed to run upon the proposed Metropolitan Park reservation, and includes the portion lying within this section of the private way known as Charles street.

In Cc 30, Cc 31, Cc 32, and Cc 49, the principal feature shown is this 80-foot boulevard before mentioned, along the Metropolitan Park reservation on the banks of the Charles.

This thoroughfare, after crossing Spring street, continues southeasterly over Charles street, which will be widened 40 feet to meet the required widths as far as a bend in same, located about 200 feet south of Prospect street, when it departs and continues through an entirely undeveloped territory, known as Caledonian

Grove, and as near its easterly boundary as expedient, in varying distance from 300 feet to 800 feet from the river itself ; and after having assumed a direction somewhat parallel with the West Roxbury Branch Railroad, at a distance of about 250 feet therefrom, continues to the boundary line between Boston and Dedham. Charles street is shown extended from its present ending at its full width to Street No. 1304.

To develop the deep lots lying on either side of Charles street a 40-foot street (No. 1973) is introduced to connect the 80-foot boulevard with Washington avenue. This street is located about 240 feet south of the easterly bend in Charles street, and is at right angles to Charles street and Washington avenue. Street No. 1321, whose lines are placed equidistant from the division lines of the deep estates fronting on Charles street and Washington avenue, is designed to properly develop the interior of same, and to connect Prospect avenue with Street No. 1304. A continuation of Belle avenue (shown on previous filings), at a distance of about 30 feet from the railroad, at a width of 30 feet (a reduction from that shown on previous plans) is shown as far as and connected with Street No. 479, a continuation of a street previously suggested and filed, and now shown to continue over the railroad at a high grade into Section Z 49, entering the 80-foot boulevard at a point about 250 feet north of the Dedham line.

A hearing was held on August 16, 1901, under authority of chapter 210 of the Acts of the Legislature of 1898, on territory shown on sections numbered Z 61, Z 62, Z 63 and Z 64, and was in relation to the increase in the width for the widening of Brandon street and Belgrade avenue from 40 feet to 60 feet between Dudley avenue and Beech street.

The changes were made in accordance with the petition, and Z 61, Z 62 and Z 63 were filed January 30, 1902. The widening was only carried as far as Anawan avenue; it therefore became unnecessary to refile Z 64.

The following is a statement of the work done during the year:

Plan from actual survey of two sections, Cc 11 and Cc 12; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, Cc 29 and Cc 30; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, Cc 31 and Cc 32; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, Cc 49; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Six sectional plans of sections or parts of sections, Cc 9, Cc 11, Cc 30, Cc 31, Cc 32 and Cc 49; size of each, 4 feet by 4 feet; scale,  $\frac{1}{250}$ . (Complete with grades.)

These plans were approved by the Mayor, and filed January 30, 1902, with the City Engineer.

In this territory of about 78.61 acres covered by the above sectional plans there are comprised:

Public streets:

Number of streets	.	.	.	3
Length	.	.	2,910 ft.	= .55 miles
Area	.	.	127,750 sq. ft.	= 2.91 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	11
Length	.	.	6,100 ft.	= 1.15 miles
Area	.	.	448,300 sq. ft.	= 10.29 acres

Totals:

Number of streets	.	.	.	14
Length	.	.	9,010 ft.	= 1.70 miles
Area	.	.	576,050 sq. ft.	= 13.20 acres

Percentage of area of above territory, exclusive of parks, etc., absorbed by all streets, old and new, 16.79%.

Sectional plans of Sections Cc 11, Cc 12, Cc 29, Cc 30, Cc 31, Cc 32, Cc 49, size, 8 feet by 5 feet, scale, 50 feet to an inch, showing the several properties, compiled from actual survey, plans and deeds.

Plan and profile completed showing grades of the following street: Street No. 1970, from Cypress street to Moreland street.

Grade plan of Sections Cc 9, Cc 11, Cc 30, Cc 31, Cc 32, Cc 49, scale,  $\frac{1}{1000}$ . (Completed.)

PLAN 11.

Work during the year was carried on more exten-

sively upon this plan than upon any other; several parties were kept in the field all summer, in fact, taking advantage of all pleasant weather during the year, while during the stormy or bad weather they were engaged in the office upon computations and platting. Quite an amount of work was finished and the result is shown in the sections filed, some fifteen in number. Like the work upon the contiguous plan (10), with which it is in conjunction, the field of operations was located at the westerly extremity of the city, from Spring street, northwesterly, to the boundary line in the Charles river, opposite the towns of Dedham and Needham.

From Spring street northwesterly, for about three-quarters of a mile, the territory considered extends easterly and northeasterly to the vicinity of Gardner street, including the locality known as Cow Island.

Several large tracts of land that are practically exempt for treatment for proposed development, viz., the land of the Parental School, containing about 43 acres; land belonging to the town of Brookline, where is located a portion of its water works, including a pumping station; besides these is the reservation proposed to be taken by the Metropolitan Park Commissioners, along the river bank, which will average 200 feet in width.

It is along the boundary line of this proposed reservation, one side being coincident with it, that there has been located the 80-foot boulevard previously spoken of in Plan 10. This boulevard is designed to follow from Spring street, northwesterly on the reservation line, to a point in same not far from the ice-house belonging to the Highland Ice Company at Cow Island, at the base of the slope, where it is slightly diverted so that the water-works reservation may as much as possible be excluded; it would be next to an impossibility to avoid it completely, without breaking the continuity of the projection.

In Aa 82, the new development shown, consists of the projection of three streets, Nos. 1552, 2008, 2009, from the boulevard, extending northeasterly parallel with High street, and 200 feet apart.

In Aa 81 the boulevard intersects Morrison street and High street at a point located in same, a little less than half way from Gardner street to West street.

Near the ice-house, before spoken of as belonging to

the Highland Ice Company, a 40-foot street (No. 1537) is projected from Gardner street to follow northeasterly over and to include the right of way, in which is located the aqueduct of the Brookline Water Works.

From this street, at its junction with Gardner street, is projected a 40-foot street (No. 1541), running southeasterly, parallel with and about 100 feet from the railroad, belonging to the Highland Ice Company. From Street No. 1541 is laid out another 40-foot way, Street No. 1539, which runs northeasterly from it, parallel with Street No. 1537, as far as the section line of this section; the major portion of all these last mentioned streets having been filed some time previously. South of the Highland Ice Company's railroad, parallel and 100 feet from it, is shown still another 40-foot street (No. 1551) departing from Gardner street easterly; this street is here shown filed in this direction as far as the section line, then after an interval represented by unfiled work (Z 91), it continues southeasterly, crossing Heldun street to Baker street, opposite Street No. 768, which is in continuation of it. Heldun street departs from Gardner street at a point about 400 feet west of Baker street, and runs northerly to the tracks of the railroad of the Highland Ice Company. From Heldun street about 150 feet, and parallel with Gardner street, Dunwel street is located, to connect with Baker street. Webster street, running contiguously with the northeasterly boundary line of the Parental School lot, is made 40 feet wide to Linden street. Linden street is shown at a width of 40 feet, while it is deemed expedient to allow Montgomery street to remain at a width of 35 feet, from Spring street, opposite Cypress street, to Linden street.

From the junction of Montgomery street and Linden street is projected a 40-foot street (No. 2014), designed to run almost due north, intersecting Whiting street at right angles, and entering Gardner street at about the same angle. From Whiting street a 30-foot street is projected, to leave at right angles, continuing southerly, connecting with Loretto street, and making a continuous street of same from Spring street to Whiting street.

Gardner street is provided with a widening to 40 feet, the takings to be made on the northeasterly side, from Spring street as far as Cow Island.

Spring street is shown widened to 80 feet for all portions appearing in these filings.

One hearing was held during the year on this plan, under authority of chapter 210 of the Acts of the Legislature of 1898, on August 16, 1901, and was on territory shown on Sections Z 61, Z 62, Z 63, Z 64, and was in relation to the widening of Brandon street and Belgrade avenue, from 40 feet to 60 feet, between Dudley avenue and Beech street.

The changes were made on Z 61, Z 62, Z 63, in accordance with the petition, and the plans were filed January 30, 1902.

The following is a statement of the work done during the year:

Plan from actual survey of one section, Z 71; size, 5 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of two sections, Z 91 and Z 92; size, 9 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of two sections, Aa 81 and Aa 82; size, 9 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of two sections, Aa 83 and Aa 84; size, 9 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of one section, Aa 98; size, 5 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of two sections, Aa 99 and Aa 100; size, 9 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of two sections, Bb 1 and Bb 8; size, 9 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

Plan from actual survey of two sections, Cc 9 and Cc 10; size, 9 feet by 5 feet; scale,  $\frac{1}{2160}$ . (Completed.)

In this territory of about 188.78 acres covered by the above sectional plans there are comprised:

#### Public streets:

Number of streets	.	.	.	.	.	2
Length	.	.	.	2,690 ft.	=	.51 miles
Area	.	.	.	88,880 sq. ft.	=	2.04 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	.	.	13
Length	.	.	.	23,710 ft.	=	4.49 miles
Area	.	.	.	1,091,050 sq. ft.	=	25.05 acres



## Totals:

Number of streets	.	.	.	.	.	13
Length	.	.	.	.	22,590 ft.	= 4.28 miles
Area	.	.	.	.	1,179,930 sq. ft.	= 27.09 acres

Percentage of area of above territory, exclusive of parks, etc., absorbed by all streets, old and new, 25.72%.

Plans and profiles completed, showing grades of the following streets :

*Adams street*, from Gardner street to East street.

*Dunwel street*, from Heldun street to Baker street.

*East street*, from Adams street to Street No. 1552.

*Heldun street*, from Gardner street to West Roxbury Branch Railroad.

*High street*, from West street to 28,000 feet south of State House.

*Loretto street*, from Spring street to Whiting street.

*Montgomery street*, from Spring street to Linden street.

*Linden street*, from Webster street to Montgomery street.

*Pleasant street*, from Webster street to Montgomery street.

*Webster avenue*, from Linden street to Spring street.

*West street*, from Morrison street to Gardner street.

*Whiting street*, from Baker street to Street No. 2014.

*Street No. 1551*, from Baker street to Gardner street.

*Street No. 1552*, from Street No. 1800 to 28,000 feet south of State House.

*Street No. 1552*, from East street to Street No. 1534.

*Street No. 1800*, from Street No. 1537 to Street No. 2010.

*Street No. 2006*, from Gardner street to East street.

*Street No. 2008*, from Street No. 1800 to 28,000 feet south of State House.

*Street No. 2009*, from Street No. 1800 to 28,000 feet south of State House.

*Street No. 2014*, from Linden street to Gardner street.

*Street No. 2018*, from Street No. 1800 to Gardner street.

Grade plan of Sections Cc 9, Cc 10, Cc 11, Z 71, Z 92, Aa 81, Aa 82, Aa 83, Aa 84, Aa 85, Aa 98, Aa 99, Aa 100, Bb 1, Bb 20 ; scale,  $\frac{1}{1000}$ . (Completed.)

In connection with the sectional and other plans enumerated above, the following work has been done :

Number of titles looked up . . . . .	50
Number of conveyances copied . . . . .	35
Number of plans copied from Suffolk and Norfolk Registries and elsewhere . . . . .	6

## PLAN 12.

The completed work for the year is represented in the six sections filed. As in Plan 13, a large amount of field and office work has been done, and other plans were prepared almost to completion for filing, but were finally withheld for further consideration.

The sections filed are composed of isolated groups, located in different quarters of this territory. One group, consisting of three sections, Y 36, Y 37 and Y 43, being located along the line of the Providence Division of the New York, New Haven and Hartford Railroad, from a point about 2,000 feet south of Forest Hills Station, and extending easterly as far as Forest Hills Cemetery. Walk Hill street cuts Sections Y 37 and Y 43 nearly in halves from northwest to southeast, a large part of Y 37 and the larger part of Y 43 lying within the limits of the cemetery, thereby obviating the necessity of consideration. Another group, consisting of two sections, Y 65 and Y 76, has Hyde Park avenue for a base, whose northern limit rests at Mount Hope Station, and extends directly east for 1,000 feet and south for 2,000 feet. The last portion of the field work is shown on Section Dd 22, which lies on the boundary line between Boston and Hyde Park, only a small portion of the section falling within the limits of Boston.

In Y 36 and Y 37, the territory treated comprised principally two large estates, viz. : that of Andrew J. Peters, containing about 24 acres, and the William Minot estate, containing about 32 acres, only portions of which, however, are considered under the present filings ; the remainder of the territory shown in these two sections is made up of estates held by the President and Fellows of Harvard College, the Boston and Providence Railroad Corporation, and a few holders of small parcels.

A 40-foot street (Patten street) departs from Hyde Park avenue at a point nearly opposite the northerly end of the old Catholic Cemetery ; this street continues

parallel with and 225 feet from Walk Hill street, southeasterly, crossing Bourne street to Street No. 1411.

An extension of Wachusett street is shown to continue into this section for about 400 or 500 feet, after which it assumes a position somewhat parallel with and 175 or 200 feet from Hyde Park avenue, and continues far beyond the limits of this section. From this extension of Wachusett street departs Rodman street at a width of 40 feet, which, following the contours of the land, enters Patten street at a point about 300 feet northwest of Bourne street. From near the junction of Patten street and Rodman street another street (Nathan street) leaves Patten street to run southwest-erly to connect with Eldridge road.

Eldridge road lies, so far as this section is concerned, upon its southerly border, and extends from the point where Nathan street joins it at a width of 50 feet to Hyde Park avenue, entering it at right angles, crossing same and continuing to the location line of the Providence Division of the New York, New Haven & Hartford Railroad. It is not intended to provide for a crossing of the railroad at this point, but the street is projected from the other side of the railroad at the same width and in the same line; the filing of the initial portion of the street is here shown.

From Eldridge road to Street No. 1406 is projected a 40-foot street (No. 1491), designed to follow along the Providence Division of the New York, New Haven & Hartford Railroad.

More than one-half of Section Y 37 consists of a portion of the grounds of Forest Hills Cemetery. Treatment here is of course prohibited.

About two-thirds of the territory in Y 43 is cemetery grounds. On the estate lying opposite the cemetery on the southwest of Walk Hill street, about midway between Bourne street and Canterbury street, three 40-foot streets, No. 1414, No. 1472 and No. 1471, distant apart about 200 feet, are projected to run southwest-erly to connect with Eldridge road.

In Y 65 the portion immediately adjacent to Hyde Park avenue had previously been partially privately developed by the introduction of two streets, Jewett street and Folsom street, the division of the land into lots, with the result of its being partly built upon; it was therefore deemed advisable to embrace them in whatever system was adopted for development here.

Jewett street leaves Neponset avenue at a width of 30 feet, extends southerly, makes quite a sharp bend, assumes another direction and connects with Mt. Hope street at its junction with Folsom street. This latter portion (from the bend to Mt. Hope street) being projected only at a width of 25 feet, it was thought desirable to provide for it a widening to 40 feet, from Mt. Hope street as far as the bend; from this point a 40-foot street, No. 1477, was projected to run in an easterly direction at nearly right angles, to the portion of Jewett street shown as 30 feet wide. This street continues in this direction for about 300 feet, when it bends and runs southeasterly so as to enter Brook street at right angles.

Parallel to the portion erected at right angles from Brook street, and 200 feet from it, is located another 40-foot street (No. 1977), designed to also connect Brook street with Jewett street.

From the northerly side of Neponset avenue, opposite Jewett street, a 40-foot street (No. 1481) is introduced to connect with Florence street; from 150 to 200 feet northeasterly from this street is another 40-foot street (No. 1479), which runs from Neponset avenue to Florence street, in a manner somewhat parallel with Street No. 1481. From Neponset avenue, opposite this street (No. 1479), Street No. 1974 is projected at a width of 40 feet to connect with Street No. 1477, at the bend in same. Parallel with this latter street, and 200 feet from it, is located Street No. 1976, from Neponset avenue southeasterly to Street No. 1477.

In Y 76 two 40-foot streets, No. 1978 and No. 1979, 200 feet apart, are located 200 feet from Mt. Hope street, connecting Hyde Park avenue with Canterbury street. Bradstreet avenue, at present a narrow 15-foot way, departing from Mt. Hope street, nearly opposite Brook street, is shown widened to 40 feet, and extended across Streets No. 1978 and No. 1979 at right angles; at a point about 75 feet south of Street No. 1979 a curve is introduced, changing the direction of the street and continuing it across the end of Wiedeman street, meeting and merging into an extension of Hammatt road.

Mt. Hope street is shown widened to 50 feet. Bourne street is widened to 40 feet for its entire length.

It is proposed to widen Hyde Park avenue to 80 feet, and the sections which have been prepared for filing, as

well as those filed, so show it. The widening is made from either side.

Upon Y 36 it is made entirely from the westerly or railroad side. In Y 65 it is principally from the same side; as it approaches Mt. Hope street, however, it begins to change over to the easterly side, and from thence on through Y 76 it is made entirely for the easterly side.

Walk Hill street is shown widened to 80 feet, the widenings being made from either side.

Of Dd 22, as before stated, but a small proportion of its territory lies within the limits of the city. The streets shown are Randolph road, formerly known as Bird lane, previously a narrow way, now under the influence of private enterprise, shows, widened to 40 feet, the same influence being responsible for the existence of two other 40-foot streets, which intersect Randolph road and extend southwesterly to the boundary line between Boston and Hyde Park.

The work here consists entirely in the definition of the lines of the streets and the revision and perfection of the grades from them. No new streets were deemed necessary for further development.

The following is a statement of the work done during the year:

Plan from actual survey of two sections, Y 36 and Y 37; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, Y 43; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, Y 65 and Y 76; size, 13 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of two sections, Y 44 and Y 45; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of two sections, Y 56 and Y 57; size, 9 feet by 5 feet; scale,  $\frac{1}{250}$ . (In progress.)

Plan from actual survey of one section, Y 85; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (In progress.)

In this territory of about 116.92 acres covered by the above sectional plans there are comprised:

Public streets:

Number of streets	.	.	.	.	.	7
Length	.	.	.	.	7,200 ft.	= 1.36 miles
Area	.	.	.	.	337,200 sq. ft.	= 7.74 acres

New streets established, private streets adopted and public streets proposed to be widened, under chapter 323 of the Acts of 1891:

Number of streets	26
Length . . . . .	17,520 ft. = 3.32 miles
Area . . . . .	635,630 sq. ft. = 14.59 acres

Totals:

Number of streets . . . . .	29
Length . . . . .	18,760 ft. = 3.55 miles
Area . . . . .	1,072,830 sq. ft. = 22.33 acres

Percentage of area of above territory, exclusive of parks, etc., absorbed by all streets, old and new, 25.27%

Plans and profiles completed showing grades of the following streets:

*Bourne street*, from Walk Hill street to Street No. 1406.

*Brook street*, from Mt. Hope street to Street No. 1477.

*Eldridge road*, from Hyde Park avenue to Nathan street.

*Folsom street*, from Neponset avenue to Mt. Hope street.

*Grover street*, from Neponset avenue to Street No. 1485.

*Hyde Park avenue*, from Walk Hill street to Hyde Park line.

*Jewett street*, from Neponset avenue to Mt. Hope street.

*Nathan street*, from Eldridge road to Patten street

*Neponset avenue*, from Hyde Park avenue to Stony brook.

*Patten street*, from Hyde Park avenue to Bourne street.

*Rodman street*, from Wachusett street to Patten street.

*Wachusett street*, from Walk Hill street to Eldridge road.

*Walk Hill street*, from Hyde Park avenue to Canterbury street.

*Street No. 1406*, from Hyde Park avenue to Stony brook.

*Street No. 1414*, from Walk Hill street to Street No. 1406.

*Street No. 1471*, from Walk Hill street to Street No. 1406.

*Street No. 1472*, from Walk Hill street to Street No. 1406.

*Street No. 1477*, from Jewett street to Brook street.

*Street No. 1481*, from Neponset avenue to Florence street.

*Street No. 1974*, from Neponset avenue to Street No. 1477.

*Street No. 1976*, from Neponset avenue to Street No. 1477.

*Street No. 1977*, from Jewett street to Brook street.

*Street No. 1978*, from Hyde Park avenue to 14,000 feet west of State House.

*Street No. 1979*, from Hyde Park avenue to 14,000 feet west of State House.

Grade plans of Sections Y 36, Y 37, Y 43, Y 65, Y 76 ; scale,  $\frac{1}{1000}$ . (Completed.)

In connection with the sectional and other plans enumerated above, the following work has been done :

Number of titles looked up . . . . .	294
Number of conveyances copied . . . . .	219
Number of plans copied from Suffolk and Norfolk Registries and elsewhere . . . . .	36

### PLAN 13.

The sectional plans completed and filed show the visible result of the work done during the year in this territory, though it by no means represents the entire work, which consisted of a very large amount of field work and lengthy computations in the preparation of these and a number of other sections not yet filed.

The sections filed are detached portions of a territory lying partly in Roxbury and partly in West Roxbury, and can be approximately described as follows :

S 19 lies upon the southerly slope of Parker hill, near its middle, and extending from Fisher avenue to and across Heath street, which bisects this section from west to east as far as Minden street, and extending practically 500 feet east and west on either side of Day street.

The projection for development on this section consists of an extension of Wensley street (No. 1251) at a width of 40 feet, from Bucknam street westerly for

about 500 feet to Street No. 1354, which extends across the block from Fisher avenue to Lawn street, providing for the future needs of the territory north of Heath street.

South of Heath street is shown a street (No. 1095), a practical extension of Minden street, connecting with the portion previously filed in S 18. From this street (No. 1095) are projected two 40-foot streets running northwesterly to connect with Heath street, the first (No. 1349) being 200 feet from Day street, and the second (No. 1348) about 150 feet from and parallel with it.

A widening of Day street to 50 feet is provided in this section, the takings being made from its northwesterly side. Heath street it is proposed to widen to 70 feet for its entire length, the widening being made from either side.

This section, S 38, whose northernmost boundary rests at the junction of Day street and Centre street, and near the point where crosses the old boundary line between Roxbury and West Roxbury; from thence the section extends southwesterly for about 1,000 feet, Centre street bisecting it equally in about this direction. The new work suggested for this territory is somewhat limited, as it is largely built upon, and where not its ruggedness is rather a prohibitory element for free treatment.

A 30-foot street (No. 2004) provides for the development of a portion of the vacant land lying on the northeast side of Paul Gore street. At a point about 150 feet from Centre street the street leaves Paul Gore street and runs northeasterly about 120 feet; thence turning at right angles and running southeasterly about 260 feet; thence turning at right angles and running southwesterly to Paul Gore street again.

Centre street is shown widened to 80 feet for its entire length.

This section, S 56, lies upon the easterly bank of Jamaica pond and is 1,000 feet square, its central point being about opposite the foot of Pond street. A private way, known as Lakeville place, lies at its northeasterly extremity, while its southernmost point lies just beyond Burroughs street.

One-third of this section is embraced by Jamaica pond, the major part of it being within the limits of the pond itself. The development shown is a widening



of Lakeville place on its southwesterly side and an extension upon these lines to the Jamaica way, affording a thoroughfare from Centre street to Jamaica park.

From the point where Lakeville place turns at right angles a 40-foot street is projected on the portion running northeast and southwest, to connect with the street (No. 1346) filed on previous sections, and which continues northwesterly across Lochstead avenue through the centre of the old Curtis estate to Perkins street, thus forming a fine intermediate street for future development of this fine tract of land between Centre street and Jamaica way.

From Myrtle street, about 200 feet from the angle in Myrtle street, a 40-foot street is projected, which runs northeasterly, parallel with the portion of Myrtle street, which is at right angles to Pond street. By subsequent filings this street will be continued to Pond street. From Myrtle street, at a point about half-way between Pond street and the point where it makes a right angle, another 40-foot street (No. 1512), which first takes a southerly direction, then a southwesterly one substantially parallel with old Pond street and the Jamaica way to Burroughs street, providing for a development for the rear of the deep estates fronting on the park, between Pond street and Burroughs street. It is designed to make Centre street 80 feet wide for its entire length, as shown on sections filed.

Two hearings were held during the year under authority of chapter 210 of the Acts of the Legislature of 1898, on March 1, 1901, and on August 16, 1901. The hearing held on March 1 was on territory shown on S 24 and S 37, and was in relation to a relocation and rearrangement of Street No. 1765 from a substantially elliptical form to one having two branches similar in form to a tuning-fork.

The plans showing these changes have not yet been filed.

The hearing held on August 16 was on territory shown on Section S 23, and was in relation to a reduction of the width of the lines of the ways formerly known as Hyde street and Priesing terrace to 35 feet, making Bynner street extend from Jamaica way to Creighton street.

The changes were made in accordance with the petition and shown in green on this plan, and filed October 22, 1901.

The following is a statement of the work done during the year:

Plan from actual survey of one section, S 19; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, S 38; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, S 56; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, S 44; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (Completed.)

Plan from actual survey of one section, S 43; size, 5 feet by 5 feet; scale,  $\frac{1}{250}$ . (In progress.)

In this territory of about 68.88 acres covered by the above sectional plans there are comprised:

Public streets:

Number of streets . . . . .	17	
Length . . . . .	9,150 ft.	= 1.73 miles
Area . . . . .	391,300 sq. ft.	= 8.98 acres

New streets established, private streets adopted, and public streets proposed to be widened, under chapter 323 of the Acts of 1891:

Number of streets . . . . .	18	
Length . . . . .	6,060 ft.	= 1.15 miles
Area . . . . .	280,300 sq. ft.	= 6.43 acres

Totals:

Number of streets . . . . .	32	
Length . . . . .	13,200 ft.	= 2.49 miles
Area . . . . .	671,600 sq. ft.	= 15.41 acres

Percentage of area of above territory, exclusive of parks, etc., absorbed by all streets, old and new, 26.84%.

Plans and profiles completed showing grades of the following streets:

*Barbara street*, from Centre street to South Huntington avenue.

*Lakeville place*, from Centre street to Street No. 1346.

*Street No. 1251*, from Bucknam street to Street No. 1354.

*Street No. 1349*, from Heath street to Street No. 1905.

*Street No. 1354*, from Fisher avenue to Lawn street.

*Street No. 1508*, from Lakeville place to Jamaica way.

*Street No. 1509*, from Centre street to Jamaica way.

*Street No. 1512*, from Myrtle street to Burroughs street.

*Street No. 1552*, from Sheridan street to Cranston street.

*Street No. 2004*, from Paul Gore street to Paul Gore street.

Grade plans of Sections S 19, S 38 and S 56 ; scale,  $\frac{1}{1000}$ . (Completed.)

In connection with the sectional and other plans enumerated above, the following amount of work has been done :

Number of titles looked up . . . . .	737
Number of conveyances copied . . . . .	467
Number of plans copied from Suffolk and Norfolk Registries and elsewhere . . . . .	88

#### ADDITIONAL HEARINGS.

The following is a list of additional hearings on changes to be made on filed plans, under authority of chapter 210 of the Acts of the Legislature of 1898:

#### PLAN 2.

A hearing was held on March 15, 1901, on No. 23, and was in relation to a relocation of the lines of Audubon road, between Ivy street and Mountfort street.

The plan showing the changes has not yet been filed.

#### PLANS 4 AND 9.

A hearing was held on May 31, 1901, on territory shown on Sections M 70, M 71 and N 61, and was in relation to the relocation of Street No. 220, between the Tremont entrance and Street No. 275.

The changes were made in accordance with the petition on M 71, and the plan was filed May 27, 1901.

#### SUMMARY OF WORK DURING THE YEAR.

Sectional plans completed, approved and filed during the year: 41 sections, O 13, O 14, O 27, O 34, S 19,

S 38, S 56, X 39, X 40, X 41, X 60, X 61, X 75, X 76, X 77, X 80, Y 36, Y 37, Y 43, Y 65, Y 76, Z 71, Z 92, Aa 81, Aa 82, Aa 83, Aa 84, Aa 85, Aa 98, Aa 99, Aa 100, Bb 1, Bb 20, Cc 9, Cc 10, Cc 11, Cc 30, Cc 31, Cc 32, Cc 49 and Dd 22.

Territory covered by above plans, 751.67 acres.

#### Public streets:

Number of streets . . . . .	84
Length . . . . . 61,170 ft.	= 11.58 miles
Area . . . . . 2,695,940 sq. ft.	= 61.86 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets . . . . .	148
Length . . . . . 81,610 ft.	= 15.07 miles
Area . . . . . 3,556,400 sq. ft.	= 81.63 acres

#### Totals:

Number of streets . . . . .	219
Length . . . . . 127,580 ft.	= 24.20 miles
Area . . . . . 6,294,420 sq. ft.	= 143.49 acres

Percentage of area of above territory absorbed by all streets, old and new, 23.06%.

#### Plans from actual survey completed:

Number . . . . .	28
Number of sections comprised . . . . .	44
Area of sections comprised . . . . .	861.48 acres
Scale . . . . .	$\frac{1}{250}$

#### Plans from actual survey in progress:

Number . . . . .	8
Number of sections comprised . . . . .	13
Area of sections comprised . . . . .	178.48
Scale . . . . .	$\frac{1}{250}$

#### Plans and profiles showing grades completed:

Number of streets . . . . .	93
Scale . . . . .	$\frac{1}{250}$ and $\frac{1}{50}$

Plan of territory showing estates, property lines,  
etc.:

Number . . . . .	1
Number of sections comprised . . . . .	7
Area of sections comprised . . . . .	113.15 acres
Scale . . . . .	50 feet to an inch

In connection with the sectional and other plans enumerated above, completed and in progress, the following work has been done:

Number of titles looked up . . . . .	2,779
Number of conveyances copied . . . . .	2,039
Number of plans copied from Suffolk Registry and elsewhere . . . . .	330

Summary of all surveying work done under chapter  
323 of the Acts of 1891, and amendments thereto,  
to February 1, 1902.

Preliminary plans completed:

Number . . . . .	14
Numbers, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14	
Area . . . . .	20,621 acres
Sizes, 11 ft. 6 in. by 8 ft. 9 in.; 12 ft. 3 in. by 5 ft.; 14 ft. by 10 ft.; 16 ft. 6 in. by 10 ft.; 10 ft. by 8 ft.; 9 ft. by 5 ft.; 11 ft. by 10 ft.; 20 ft. by 10 ft.; 8 ft. 6 in. by 7 ft.; 17 ft. by 10 ft.; 20 ft. by 10 ft.; 18 ft. by 10 ft.; 15 ft. 6 in. by 10 ft., and 16 ft. 6 in. by 10 ft.; scale, 50 ft. to an inch, and $\frac{1}{1000}$ .	

Public streets:

Number of streets . . . . .	811
Length . . . . .	1,167,631 ft. = 221.14 miles

Private streets:

Number of streets . . . . .	1,012
Length . . . . .	501,401 ft. = 94.96 miles

Estates:

Number of estates . . . . .	22,094
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Working plans completed:

Number . . . . .	1
Size. . . . .	16 ft. by 7 ft.
Scale . . . . .	50 ft. to an inch

## Plans from actual survey completed :

Number . . . . .	260
Number of sections . . . . .	534
Area of sections comprised . . . . .	861.48 acres
Scale . . . . .	$\frac{1}{250}$

## Plans from actual survey completed of territory :

Number . . . . .	6
Number of sections comprised . . . . .	90
Area of sections comprised . . . . .	1,681.01 acres
Scale . . . . .	$\frac{1}{1000}$

## Sectional plans completed, approved and filed:

Number of plans . . . . .	503
Size of each . . . . .	4 ft. by 4 ft.
Scale . . . . .	$\frac{1}{250}$

## Territory covered by plans:

Area . . . . .	10,048.35 acres
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## Public streets:

Number of streets . . . . .	464
Length . . . . .	665,700 ft. = 126.98 miles
Area . . . . .	34,340,442 sq. ft. = 788.30 acres

## New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets . . . . .	1,499
Length . . . . .	1,414,929 ft. = 267.58 miles
Area . . . . .	58,123,118 sq. ft. = 1,334.30 acres

## Totals:

Number of streets . . . . .	1,877
Length . . . . .	1,876,012 ft. = 355.36 miles
Area . . . . .	92,362,640 sq. ft. = 2,122.61 acres

Percentage of area of above territory absorbed by all streets, old and new, 22.73%.

## Sectional plans completed, ready to file:

Number of plans . . . . .	1
Size . . . . .	4 ft. by 4 ft.
Scale . . . . .	$\frac{1}{250}$

**Territory covered by plan:**

Area . . . . . 5.24 acres

**Public streets:**

Number of streets . . . . . 1  
 Length . . . . . 246 ft. = 0.04 mile  
 Area . . . . . 39,360 sq. ft. = 0.90 acre

**New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:**

Number of streets . . . . . 3  
 Length . . . . . 932 ft. = 0.18 mile  
 Area . . . . . 37,008 sq. ft. = 0.85 acre

**Totals:**

Number of streets . . . . . 3  
 Length . . . . . 1,178 ft. = 0.22 mile  
 Area . . . . . 76,368 sq. ft. = 1.75 acre

**Totals of sectional plans filed and ready to file:**

Number of plans . . . . . 504  
 Size of each . . . . . 4 ft. by 4 ft.  
 Scale . . . . .  $\frac{1}{250}$

**Territory covered by plans:**

Area . . . . . 10,053.59 acres

**Public streets :**

Number of streets . . . . . 465  
 Length . . . . . 665,946 ft. = 115.48 miles  
 Area . . . . . 34,341,374 sq. ft. = 789.20 acres

**New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:**

Number of streets . . . . . 1,502  
 Length . . . . . 1,415,861 ft. = 267.76 miles  
 Area . . . . . 58,160,126 sq. ft. = 1,335.15 acres

**Totals :**

Number of streets . . . . . 1,880  
 Length . . . . . 1,877,190 ft. = 355.58 miles  
 Area . . . . . 92,439,008 sq. ft. = 1,982.62 acres

Percentage of area of above territory, exclusive of parks, rivers, etc., absorbed by all streets, old and new, 22.73%.

Streets located and relocated on sectional plans completed, approved and filed :

Length . . . 1,876,012 ft. = 355.36 miles

Streets located and relocated on sectional plans completed, ready to file :

Length . . . 1,178 ft. = 0.22 mile

Index plans completed :

Number of plans	.	.	.	.	.	2
Size	.	.	.	.	.	4 ft. by 4 ft.
Scale	.	.	.	.	.	$\frac{1}{1000}$ and $\frac{1}{1500}$

Grade plans of whole territories completed :

Number of plans	.	.	.	.	.	2
Number of sections comprised	.	.	.	.	.	25
Area of sections comprised	.	.	.	.	.	237.75 acres
Scale	.	.	.	.	.	$\frac{1}{1000}$

Grade plans showing sections :

Number of plans	.	.	.	.	.	17
Number of sections completed	.	.	.	.	.	504
Area of sections completed	.	.	.	.	.	10,015.30 acres
Scale	.	.	.	.	.	$\frac{1}{1000}$

Plans and profiles showing grades completed :

Number of streets . . . . . 1,563

Scale  $\frac{1}{250}$  and  $\frac{1}{500}$ , and 40 feet to an inch, and 5 feet to an inch.

Revised grade plan showing sections:

Number of plans	.	.	.	.	.	2
Number of sections completed	.	.	.	.	.	15
Area of sections completed	.	.	.	.	.	226.81 acres
Scale	.	.	.	.	.	$\frac{1}{1000}$

Plans showing contours at every 5 feet, completed:

Number of plans	.	.	.	.	.	6
Number of sections comprised	.	.	.	.	.	64
Area of sections comprised	.	.	.	.	.	1,201.87 acres
Scale	.	.	.	.	.	40 ft. to an inch and $\frac{1}{1000}$



## Plans showing contours at every foot, completed:

Number of plans . . . . .	8
Number of sections comprised . . . . .	38
Area of sections comprised . . . . .	769.21 acres
Scale . . . . .	$\frac{1}{216}$

## Plans showing contours at every foot, completed:

Number of plans . . . . .	1
Number of sections comprised . . . . .	1
Area of sections comprised . . . . .	22.96 acres
Scale . . . . .	20 ft. to an inch

## Plans showing contours at every foot, completed:

Number of plans . . . . .	36
Number of sections comprised . . . . .	213
Area of sections comprised . . . . .	3,697.08 acres
Scale . . . . .	40 ft. to an inch

## Plans showing contours at every 2 feet, completed:

Number of plans . . . . .	1
Number of sections comprised . . . . .	3
Area of sections comprised . . . . .	68.87 acres
Scale . . . . .	40 ft. to an inch

## Conveyances copied and titles looked up:

Number . . . . .	32,746
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## Plans copied from Suffolk and Norfolk Registries:

Number . . . . .	3,935
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## Stone monuments set in districts covered by Plans 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13 for use in determination of position and location of street lines:

Number of monuments . . . . .	303
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Miscellaneous work includes tracings, estimates of areas by calculations, planimeter, etc., sketches and studies of different plats, etc.

## LIST OF PLANS.

## SURVEYING DIVISION IN STREET LAYING-OUT DEPARTMENT, JANUARY 31, 1902.

ROOMS 23 TO 27 INCLUSIVE, OLD COURT-HOUSE.

Indexed.	Classification.	Number of Plans.
On Wall, Room 27....	Preliminary Plan 1 Back Bay Fens.....	1
" " " 24....	" " 2 Back Bay .....	1
" " " 27....	" " 3 Neponset.....	1
" Frame " 27....	" " 4 Back Bay .....	1
" Wall " 26....	" " 5 Central Dorchester.....	1
" " " 23....	" " 6 Lower Mills and Mattapan...	1
" " " 27....	" " 7 South Bay.....	1
" Frame " 25....	" " 8 Brighton .....	1
" Wall " 27....	" " 9 Part of Roxbury.....	1
" Frame " 27....	" " 10 Part of West Roxbury.....	1
" " " 25....	" " 11 " " " " .....	1
" " " 27....	" " 12 " " " " .....	1
" " " 27....	" " 13 " " Roxbury and West Roxbury.....	1
" Wall " 25....	" " 14 Grove Hall and Meeting House Hill.....	1
Vol. A.....	Miscellaneous plans of estates. Plans 1 and 2....	179
Vol. B.....	" " " " " 3 " 5....	310
Vol. C { Part 1.....	" " " " " 4, 9 and 8..	249
{ Part 2.....	" " " " " 4, 9 " 8..	327
Vol. D { Part 1.....	" " " " " 10.....	116
{ Part 2.....	" " " " " 10.....	171
Vol. E { Part 1.....	" " " " " 12, 13 and 14,	252
{ Part 2.....	" " " " " 12, 13 " 14,	364
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Vol. G { Part 1.....	" " " " " 5, 6 " 12,	268
{ Part 2.....	" " " " " 5, 6 " 12,	232
Vol. H.....	" " " " " 8.....	212
Vol. I.....	" " " " " 13.....	140
Vol. J.....	" " " " " 6 and 12....	95
Vol. K.....	" " " " " 7.....	78
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LIST OF PLANS. — *Continued.*

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Vol. II.....	" " .....	208
Vol. III.....	" " .....	133
Vol. IV.....	" " .....	83
Vol. V.....	" " .....	10
Vol. VI.....	" " .....	54
Case A .....	Miscellaneous plans, studies, etc.....	50
Case E.....	Plans of streets approved by Street Commissioners in Roxbury.....	68
" " .....	Plans of streets approved by Street Commissioners in Dorchester.....	192
" " .....	Plans of streets approved by Street Commissioners in West Roxbury.....	107
" " .....	Plans of streets approved by Street Commissioners in Brighton.....	55
" " .....	Plans of streets approved by Street Commissioners in Charlestown.....	1
" " .....	Plans of streets approved by Street Commissioners in City Proper.....	8
" " .....	Plans of streets approved by Street Commissioners in South Boston.....	6
" " .....	Plans of streets approved by Street Commissioners in East Boston.....	12
Case DD.....	Miscellaneous plans, estates, etc.....	60
Case EE.....	Miscellaneous deed plans, South Bay.....	76
	<i>Plans from Actual Survey.</i>	
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	T 19, 20 — U 11, 12                      U 9, 10 — T 1, 2	2
	L 89, 90 — M 81, 82, 83                      L 91, 92 — M 98, 99, 100	2
	S 4, 17                      S 16, 25                      S 24, 37	3
	S 18, 23                      S 19, 22                      S 36, 45	3
	U 28, 33                      S 38, 43                      S 44, 57	3
	T 3, 8                      U 8, 13                      U 29, 32	3
	T 40                      T 21, 22                      T 38, 39	3
	S 56	1
	<i>Refiled Plans.</i>	
	M 88, 99, 100                      M 71, 82                      S 19	2
	Plats of Plan 7, scale 1/1000.....	3
	Index to " " " " .....	1
	Plat of Plan 13, " " .....	1
	<i>Carried forward.....</i>	4,676

LIST OF PLANS. — *Continued.*

Indexed.	Classification.	Number of Plans.
	<i>Brought forward</i> .....	4,676
	<i>Plans from Actual Survey.</i>	
	Sections.                      Sections.                      Sections.	
	Ee 1, Ff 10                      Ee 20, Ff 11                      Ee 21, Ff 30	3
	Ff 8, 13                      Ff 9, 12, 29                      Cc 1, Dd 10	3
	W 65, 76, 85                      W 72, 89, 92                      W 73, 74, 75	3
	W 86, 87, 88                      W 90, 91                      W 93, 94, 95, 96	3
	M 46, 47, 48                      M 53, 54, 55                      Z 61, 80	3
	Z 62, 63                      Z 64, 77                      Z 76, 85	3
	Z 78, 79                      Z 81, 100                      Z 82, 99	3
	Z 83, 98                      Z 84, 97                      Ee 20, Ff 11	3
	Y 90, 91                      Cc 1, Dd 10                      Cc 2, 3	3
Case HH.....	Plat of Plan 10, scale $\frac{1}{1000}$ .....	1
	" " Plan 13 and 14 $\frac{1}{1000}$ .....	1
	" " Parkway taking Plan 10. ....	1
	<i>Plans from Actual Survey.</i>	
	Sections.                      Sections.                      Sections.	
	T 31, 50, 51                      T 47, 48                      T 63, 64	3
	T 53, 54                      T 55, 66                      T 77, 78	3
	T 82, 49                      T 52, 69                      T 65, 76	3
	T 95, 96                      T 84, 85                      T 74, 78, 88	3
	T 67, 68                      T 72, 73                      T 75, 86	3
Case JJ.....	Miscellaneous plans, estates and deeds.....	134
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	O 94, 95, 96, 97, R 6                      X—17                      #	2
	W 55, 66                      X 19, 20	2
	X 21, 22                      X 18, 23, 38	2
	Miscellaneous plans, estates, etc.....	10
	Plats of Plan 8, scale, $\frac{1}{1000}$ .....	4
KK.....	M 31 (part), 32 (part), 33 (part), 41 (part), 48, 49 50, 51 (part), 60 (part).....	1
	M 52, 53, 70, 51 (part), 60 (part).....	1
	M 28, 29, 30, 31 (part), 32 (part), 33 (part) ..... } N 21, 22, 23, 39, 40, 41 (part), 42..... } M 66, 75, 86                      M 67, 74, 87	1
	Plan 4, scale, $\frac{1}{1000}$ Y 98, 99, 100	2
	Dd 18, 19, 20                      Dd 21, 22, Ee 30	2
	<i>Carried forward</i> .....	4,884



LIST OF PLANS. — *Continued.*

Indexed.	Classification.	Number of Plans.
	<i>Brought forward</i> .....	4,969
	<i>Plans from Actual Survey.</i>	
	Sections.                      Sections.                      Sections.	
Case MM.....	X 88, 89                      X 70, 71                      X 81, 100	3
	Y 21, 40                      Y 41, 60                      Y 61, 80	3
	X 34, 35, 36                      X 64, 77                      X 87, 88	3
	X 39, 40                      X 41, 60                      X 42, 50	3
	X 43, 58                      X 47, 54                      X 61, 80	3
	X 62, 79                      X 63, 78	2
	Index Plans, — Plan 6, scale, 1800.....	1
	Contour plan of Wellington Hill.....	1
	Miscellaneous rolled plans of estates.....	29
	<i>Plans from Actual Survey.</i>	
	Sections.                      Sections.                      Sections.	
Case NN.....	W 33, 48                      W 34, 47                      W 49, 50	3
	Cc 3, 18                      Cc 4, 17                      Cc 5, 16	3
	Cc 14, 27, 34                      Cc 19                      Cc 24, 37	3
	Cc 25, 36                      Cc 26, 35                      Cc 45	3
	Cc 46, 55                      Cc 6, 15                      Cc 23	3
	Z 85, 96                      Z 86, 95                      Z 94, Cc 7	3
	Z 71, 90                      Z 72, 89                      Z 68, 73	3
	Z 88, 93                      Cc 47, 54                      Cc 67, 74	3
	Cc 66, 75                      Cc 8, 13                      Cc 23, 33	3
	Cc 48, 53, 68                      Cc 11, 12                      Cc 29, 30	3
	Cc 31, 32                      Cc 49                      Cc 9, 10	3
	Z 24, 37                      Z 43, 53                      Z 25, 36	3
	Z 49, 52                      Z 29, 32                      Z 30, 31	3
	Z 44, 57                      Z 35, 46                      Z 47, 54	3
	Z 67, 74                      Z 45, 56                      Z 69	3
	Y 49, 52                      Y 27, 28                      Y 50, 51	3
	Y 30, 31                      Y 29, 32                      Y 33	3
	Z 18, 23, 38                      Z 41, 60                      Z 87	3
	Z 2, 15, 22                      Z 50, 51                      Z 42, 59	3
	Z 55                      Z 39, 40                      Z 20, 21	3
	Y 34, 47                      Z 65, 66                      Z 75	3
	Y 48, 53                      Y 69, 72                      Z 71	3
	<i>Carried forward</i> .....	5,369

LIST OF PLANS. — *Concluded.*

Indexed.	Classification.	Number of Plans.
	<i>Brought forward</i> .....	5,869
	Z 92                      Aa 81, 82                      Aa 83, 84	3
	Aa 98                      Y 36, 37                      Y 44, 45	3
	Aa 99, 100                      Y 43                      Bb 1, 20	3
	Y 44, 45                      Y 65, 76, 85                      Y 66, 67	3
	Y 85	1
	Miscellaneous tracings and blue prints.....	48
	Plans and profiles showing grades.....	225
Case OO .....	Miscellaneous tracings and blue prints .....	155
	Plans and Profiles showing grades.....	277
" QQ .....	" " " " " .....	202
	<i>Plans from Actual Survey.</i>	
	Sections.                      Sections.                      Sections.	
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	X 1, 2                      W 10	2
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" VV.....	Grade plans .....	38
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" WW.....	" " " " " .....	157
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" N.....	" " " " " Section N.....	28
" O-V.. ..	" " " " " Sections O to V....	3
" W.....	" " " " " Section W.....	20
" X-Z.....	" " " " " Sections X to Z....	10
" Miscel .....	" " " " " .....	7
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Not included in the foregoing list there are the following lithographed plans:		
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" " "	" Boston Common and vicinity " .....	80
" " "	" section T 2.....	188
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" " "	" " N 25.....	195
" " "	" " O 74.....	194
" " "	" " O 75.....	194
" " "	" " O 77.....	194

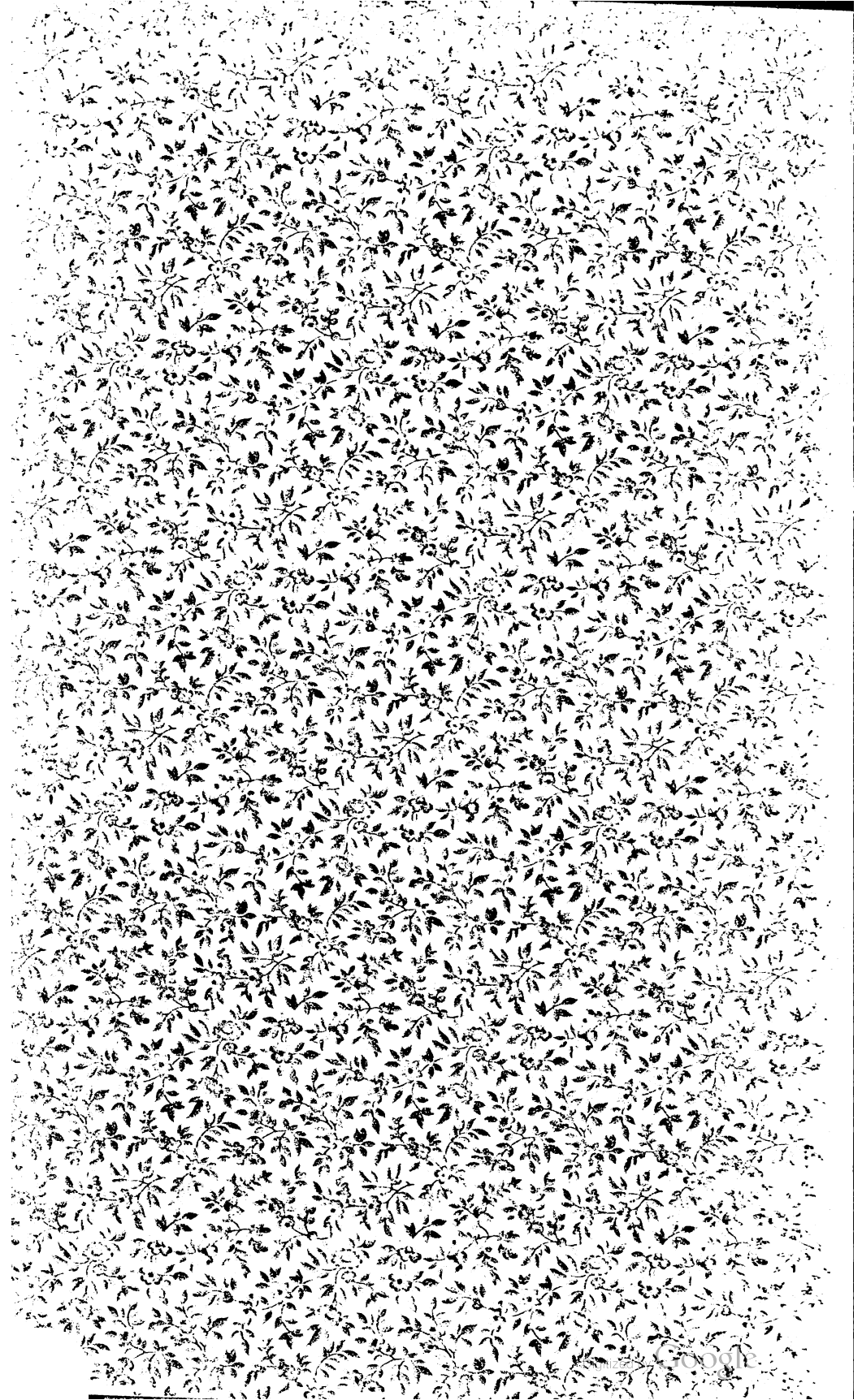
Respectfully submitted,

SALEM D. CHARLES,  
EDWARD W. PRESHO,  
JAMES A. GALLIVAN,

Street Commissioners.









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